

Title (en)  
PLATFORM FOR A TOWER OF A WIND TURBINE AND WIND TURBINE

Title (de)  
PLATTFORM FÜR EINEN TURM EINER WINDTURBINE SOWIE WINDTURBINE

Title (fr)  
PLATE-FORME POUR UNE TOUR D'UNE ÉOLIENNE ET ÉOLIENNE

Publication  
**EP 4119791 A1 20230118 (EN)**

Application  
**EP 21185816 A 20210715**

Priority  
EP 21185816 A 20210715

Abstract (en)  
Platform for a tower (2) of a wind turbine (1), wherein the platform (6) is adapted for a hanging arrangement inside the tower (2) and comprises at least one supporting means (9) for supporting the platform (6) in a horizontal direction against a tower wall (7), wherein the supporting means (9) comprises a foot section (10) for contacting the tower wall (7), an abutment section (11) attached to the platform (6), and a pretension means (12), wherein the pretension means preloads the foot section (10) against the abutment section (11) with a pretension force ( $F_{\text{p}}$ ) directed towards the tower wall (7), wherein the foot section (10) is moveable at least sectionally towards the platform (6) when a force ( $F_{\text{l}}$ ) directed towards the platform (6) and acting on the foot section (10) exceeds the pretension force ( $F_{\text{p}}$ ).

IPC 8 full level  
**F03D 13/20** (2016.01); **F03D 80/50** (2016.01); **F03D 80/80** (2016.01)

CPC (source: CN EP US)  
**F03D 13/20** (2016.05 - EP US); **F03D 80/50** (2016.05 - EP); **F03D 80/80** (2016.05 - CN EP US); **F03D 80/88** (2016.05 - EP); **F05B 2240/912** (2013.01 - US); **Y02E 10/72** (2013.01 - EP); **Y02E 10/728** (2013.01 - EP)

Citation (applicant)  
KR 101676202 B1 20161115 - POSCO [KR]

Citation (search report)  
• [X] CN 107697818 A 20180216 - KERUN ELECTRO MECH ENGINEERING CO LTD  
• [X] KR 101676202 B1 20161115 - POSCO [KR]  
• [A] DE 102010008639 A1 20110818 - SPEHR THORSTEN [DE], et al  
• [A] EP 3670784 A1 20200624 - SIEMENS GAMESA RENEWABLE ENERGY AS [DK]

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
**EP 4119791 A1 20230118**; CN 115614239 A 20230117; JP 2023014050 A 20230126; JP 7375126 B2 20231107; TW 202319629 A 20230516; TW I834209 B 20240301; US 11873792 B2 20240116; US 2023014005 A1 20230119

DOCDB simple family (application)  
**EP 21185816 A 20210715**; CN 202210830836 A 20220715; JP 2022112903 A 20220714; TW 111124755 A 20220701; US 202217848571 A 20220624